

## CLAIMS:

1. A device for separating debris and other such material from rainwater as it flows into a downpipe from a roof gutter, said device comprising a compartment for  
5 fitting to the upper end of a downpipe, which compartment includes a horizontally pivoted perforated rotary drum which is designed to rotate when rainwater and entrained debris from an overhead gutter impinges on it such that the rainwater passes through the perforations in the drum  
10 into the associated downpipe and the debris is ejected outside of the device by the rotation of the drum.
2. The device of claim 1 wherein the overhead gutter has an outlet through which water may flow onto the drum, the outlet has a water guide for directing  
15 water and debris onto the top surface of the drum at a location past a central vertical axis of the drum to thereby cause the drum to rotate.
3. The device of claim 1 wherein the compartment includes a water guide for directing water and debris  
20 onto the top surface of the drum at a location past a central vertical axis of the drum to thereby cause the drum to rotate.
4. The device of claim 1, 2 or 3 wherein the rotary drum comprises a hollow cylinder with supporting  
25 end walls or spokes through which a horizontal axle upon which one drum rotates, extends.
5. The device of claim 4 wherein the surface of the drum is formed from mesh, blades or perforated material.
- 30 6. The device of claim 5 wherein the surface of the drum is formed from wire or plastic mesh.
7. The device of claim 5 wherein the mesh is formed from metal and coated metal screens.
8. The device of claim 5 wherein the openings in  
35 the mesh are between 5mm to 12mm in size.
9. The device of claim 1 including a discharge shute located in the lower portion of the compartment to direct screened water into the upper end of the downpipe.

10. The device of claim 9 wherein the discharge shute is shaped and tapered to be received into the downpipe.

11. The device of claim 10 wherein the discharge shute is either conical or pyramidal in shape.

12. The device of claim 9 wherein the compartment has a rectangular outer shape with an inclined lower wall which opens into the discharge shute.